

CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION SAN FRANCISCO WATER DEPARTMENT



CONTRACT NO. WD-2651

HABITAT RESERVE PROGRAM

UPPER SAN MATEO CREEK MITIGATION

VOLUME 1 OF 1

OCTOBER 2010

NOT FOR CONSTRUCTION

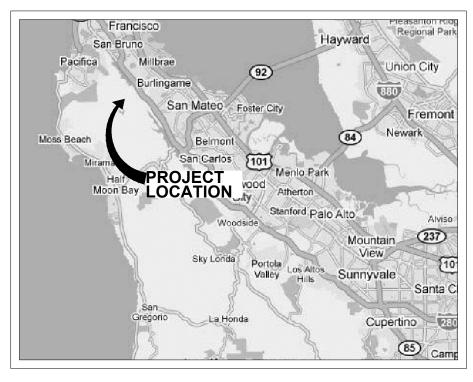
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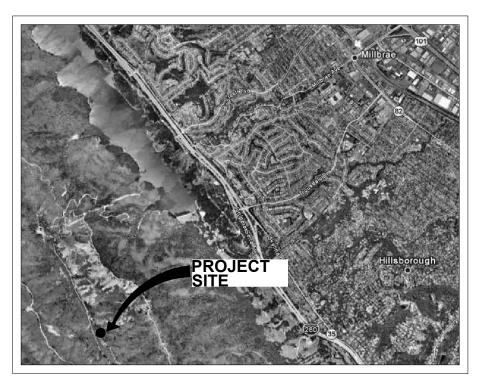
FOR THE SOLE USE OF THE DOCUMENT RECIPIENT — DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESS PERMISSION OF THE SFPUC.

AT THE TIME OF THE BID OPENING, THE CONTRACTOR SHALL POSSESS A VALID CALIFORNIA CLASS A, GENERAL ENGINEERING CONTRACTOR'S LICENSE.

G-0 SHEET 1 OF 10

PUBLIC UTILITIES COMMISSION HABITAT RESERVE PROGRAM UPPER SAN MATEO CREEK SITE CONTRACT NO. WD-2651





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VICINITY MAP

LOCATION MAP

SUBMITTAL

NOT FOR
CONSTRUCTION

NOT FOR
CONSTRUCTION

OCTOBER 29,
2010

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

UPPER SAN MATEO CREEK

TITLE SHEET, LOCATIONS AND
VICINITY MAPS, DRAWING INDEX

SECTION MANAGER

OFFICIAL APPROVED

OCTOBER 29,
2010

CONSTRUCTION

REVISIONS

CONTRACT NO. WD-2651

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION

ENGINEERING MANAGEMENT BUREAU

UPPER SAN MATEO CREEK

TITLE SHEET, LOCATIONS AND
VICINITY MAPS, DRAWING INDEX

SECTION MANAGER

APPROVED

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MANAGER, ENGINEERING MANAGEMENT BUREAU

MANAGER, ENG

0 LILILIA FOR REDUCED PLANS ORIGINAL SCALE IS

ABBREVIATIONS APPROX BC BRG CL, COORD CP CY DET DETAIL DIAMETER ÖQDÁUÜÁ DRAWING DWG (E) OR EXIST EC ECB EL OR ELEV EΩ EQUIP ETC **EXIST** FG FOOT OR FEET FT HORIZ НТ FOR EXAMPLE ΙF INCH OR INLET IN INV LINEAR FEET LF LT LEFT MAX MIN (N) N/A NOT TO SCALE NTS NUMBER OC OHE PC POINT OF INTERSECTION POINT OF CURVE POC PRO.I PT QTY QUANTITY R. RAD RFF REQ RSP SD SECT SHT SIM SPEC STA STD T/ TOPO TYP VAR VERT W

W/O

SPECIAL CIRCUMSTANCES: NO SHUTDOWN OF THE PROJECT **APPROXIMATE** SITE IS ANTICIPATED. HOWEVER, UNFORESEEABLE FIRE, AND GEO-HAZARD CONDITIONS, HEAVY RAINS, DISCOVERY OF AT

BEARING

CENTERI INF

COORDINATE

CUBIC YARD

DIMENSION

EXISTING

EXAMPLE

EQUAL

END CURVE

ELEVATION

EQUIPMENT

HORIZONTAL

HIGH POINT HEIGHT

IINVERT

MAXIMUM

MINIMUM

NEW

NORTH

NOT APPLICABLE

OVERHEAD ELECTRICAL

POINT OF CURVATURE

POINT OF TANGENCY

REVETMENT SLOPE

ON CENTER

PROJECT

RADIUS

SOUTH

SECTION

SHEET

SIMILAR

STATION

TYPICAL

VERTICAL

WITHOUT

WEST

WITH

TOP TOP OF

STANDARD

TOPOGRAPHIC

VARIES OR VARIABLE

REFERENCE

PROTECTION

STORM DRAIN

SPECIFICATIONS SQUARE

REQUIRED

FINISHED GRADE

ETCETERA

EXISTING

EROSION CONTROL BLANKET

EAST

EACH

CONTROL POINT

NEW CULTURAL RESOURCE SITES OR OBJECTS, OR PRESENCE OF SPECIAL STATUS SPECIES NOT PREVIOUSLY BEGIN CURVE DOCUMENTED COULD PROMPT SFPUC TO SUSPEND BENCH MARK CONSTRUCTION ACTIVITIES FOR SAFFTY REASONS AT NO COST TO THE SFPUC, OR THEIR REPRESENTATIVES

EXISTING

Ø OR ▲ STP-X OR

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OR 🌑

- HOURS OF WORK: THE CONTRACTOR SHALL CONDUCT ALL WORK BETWEEN THE HOURS OF 8:00 AM AND 6:00 PM, MONDAY THROUGH FRIDAY, UNLESS AUTHORIZED BY SFPUC CONTRACTOR AND CREW SHALL NOT ENTER THE SITE PRIOR TO 6:30 AM OR LEAVE THE SITE AFTER 6:30 PM, MONDAY THROUGH FRIDAY. NO EQUIPMENT ENGINES OR OTHER NOISE GENERATING ACTIVITIES SHALL BE STARTED PRIOR TO 7:45 AM OR CONTINUE PAST 6:15 PM, MONDAY THROUGH FRIDAY. WEEKEND AND HOLIDAY WORK WILL ONLY BE CONDUCTED AFTER PRIOR AUTHORIZATION FROM THE SEPUC
 - DAILY COMMUNICATIONS: CONTRACTOR SHALL MAINTAIN DAILY COMMUNICATIONS WITH THE SFPUC TO DISCUSS DETAILS OF IMPLEMENTATION, ORDER OF WORK, METHODS OF MINIMIZING ENVIRONMENTAL IMPACTS AND OTHER RELEVANT COMPONENTS OF CONSTRUCTION
- COMPLIANCE WITH REGULATORY PERMITS: THE CONTRACTOR SHALL COMPLETELY REVIEW, BE FAMILIAR WITH AND ADHERE TO THE TERMS AND CONDITIONS OF ALL PERMITS AND AGENCY APPROVALS FOR THIS PROJECT. THE SFPUC WILL BE RESPONSIBLE FOR SECURING AND PROVIDING TO THE CONTRACTOR COPIES OF PERMITS, CERTIFICATIONS, OR AUTHORIZATIONS FROM THE FOLLOWING AGENCIES INCLUDING BUT NOT LIMITED TO: U.S. ARMY CORPS OF ENGINEERS, THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SECTION 401, THE U.S. FISH AND WILDLIFE SERVICE, THE NATIONAL MARINE FISHERIES SERVICE AND CALIFORNIA DEPARTMENT OF FISH AND GAME. COPIES OF ALL PERMITS ARE AVAILABLE FROM THE SFPUC AND WILL REMAIN AT THE PROJECT SITE THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR WORKING WITH THE SFPUC ON SECURING THE NECESSARY NPDES PERMIT AND PREPARATION AND SUBMISSION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).

PROPOSED

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CONTOUR LINE

CENTER LINE

SILT FENCE

FENCE

BORING

TREE

COBBLE FILL

STAFF GAGE

REVETMENT AND SLOPE

DRAINAGEWAY OR DITCH

DIRECTION OF FLOW

BENCH MARK, TEST PIT

HORIZONTAL OR VERTICAL

PIEZOMETER STATION

OVERHEAD ELECTRICAL

LANDSCAPING AND VEGETATION

SLOPE WITH FLOW DIRECTION

SPOT ELEVATION

COMPLIANCE WITH COUNTY PERMITS: CONTRACTOR IS RESPONSIBLE FOR ASSISTING WITH ACQUISITION OF AND COMPLIANCE WITH ANY RELEVANT COUNTY PERMITS NEEDED FOR THE PROPOSED CONSTRUCTION ACTIVITIES, INCLUDING, BUT NOT LIMITED TO, TRAFFIC AND ENCROACHMENT PERMITS RELATED TO THE DELIVERY AND HAULING OF CONSTRUCTION EQUIPMENT AND MATERIALS, AND TRAFFIC CONTROL MEASURES (TRAFFIC SAFETY PLAN) THE CONTRACTOR MUST FOLLOW ALL PERTINENT CALTRANS REQUIREMENTS FOR HAULING LARGE VEHICLES OR EQUIPMENT TO THE PROJECT SITE. TO DETERMINE REQUIREMENTS FOR THE SPECIFIC VEHICLES TO BE USED, SEE THE WEB SITE AT WWW.DOT.CA.GOV/HQ/TRAFFOPS/PERMITS

GENERAL NOTES

- AIR QUALITY AND CONSTRUCTION NOISE RESTRICTIONS: THE CONTRACTOR SHALL IMPLEMENT MEASURES TO REDUCE CONSTRUCTION NOISE INCLUDING: ENSURING THAT ALL CONSTRUCTION EQUIPMENT HAS SOUND-CONTROL DEVICES AT LEAST AS EFFECTIVE AS THOSE ORIGINALLY SUPPLIED BY THE MANUFACTURER AND THAT NO EQUIPMENT WITH AN UNMUFFLED EXHAUST IS OPERATED; LIMITING CONSTRUCTION ACTIVITIES TO SPECIFIED TIMES; AND PROHIBITING UNNECESSARY WARMING , IDLING, OR ENGINE REVVING OF GAS OR DIESEL POWERED FOUIPMENT OR VEHICLES.
- AIR QUALITY AND DUST CONTROL RESTRICTIONS: TRUCKS USED FOR HAULING ARE REQUIRED TO BE COVERED OR TO HAVE AT LEAST 2-FEET OF FREEBOARD. STOCKPILES AND EARTHWORK AREAS THAT ARE INACTIVE FOR MORE THAN TEN (10) DAYS OR THAT ARE DEEMED BY THE SFPUC OR ENVIRONMENTAL MONITOR TO BE CAUSING A DUST PROBLEM SHALL BE WATERED OR STABILIZED WITH AN APPROVED STABILIZING AGENT OR, IN THE CASE OF STOCKPILES, ENCLOSED OR COVERED. TRUCKS LEAVING THE PROJECT SITES SHALL HAVE TIRES WASHED OR AN EQUIVALENT APPROVED BY THE SFPUC OR ENVIRONMENTAL MONITOR TO PREVENT/MINIMIZE SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADWAYS. TRAFFIC SPEEDS ON UNPAVED ROADS WILL BE LIMITED TO 10 MPH.
- THE SITE WILL BE KEPT FREE OF TRASH AT ALL TIMES. TRASH SHALL BE REMOVED DAILY. ALL ITEMS USED FOR CONSTRUCTION PURPOSES WILL BE REMOVED FROM THE SITE AT THE COMPLETION OF CONSTRUCTION

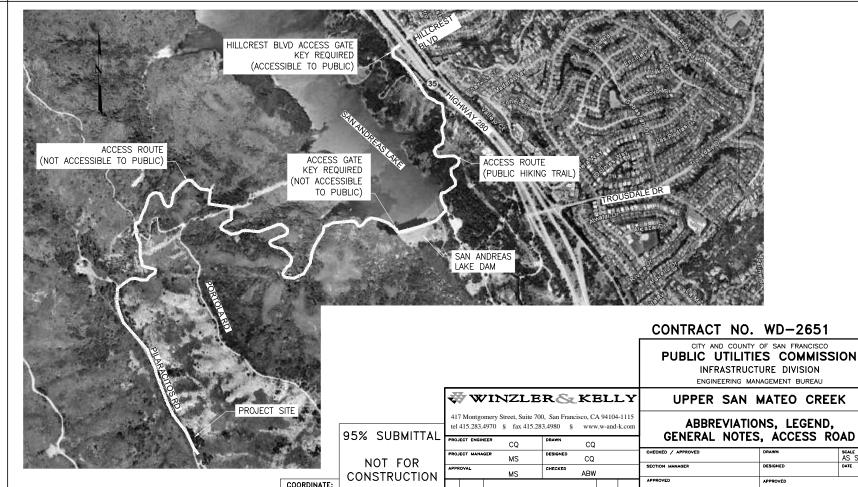
- ON-SITE TRAFFIC AND CONSTRUCTION ACCESS RESTRICTIONS: ANY ROUTES SHOWN ON PLANS THAT OCCUR OFF OF ESTABLISHED ROADS WILL BE MARKED BY THE CONTRACTOR WITH LATHE AND CLEARLY VISIBLE FLAGGING ALONG BOTH SIDES OF 20' WIDE ACCESS EASEMENTS. CONSTRUCTION EQUIPMENT IS NOT TO DEVIATE FROM THIS ROUTE WITHOUT APPROVAL OF THE SEPUC AND THE ENVIRONMENTAL MONITOR. SHOULD THE ROAD BECOME MUDDY OR CONDITIONS DETERIORATE, THE CONTRACTOR IS RESPONSIBLE FOR PLACING MATTING OR FABRIC MATERIAL TO IMPROVE ROAD CONDITIONS WITHOUT WIDENING THE ACCESS EASEMENT: ALL MATERIALS PLACED MUST BE REMOVED AT THE COMPLETION OF THE PROJECT. IN ADDITION, THE CONTRACTOR IS NOT ALLOWED TO WIDEN EXISTING ROADS WITHOUT APPROVAL OF
- CONSTRUCTION EQUIPMENT MAY NOT WORK IN AREAS DESIGNATED AS WETLAND, RIPARIAN, OR CREEK PROTECTION ZONES OR WITHIN OR DIRECTLY ADJACENT TO INDIVIDUAL TREES AND SHRUBS OR STANDS OF TREES OR SHRUBS OR VEGETATION DESIGNATED FOR SALVAGE BY THE SFPUC UNLESS SPECIFICALLY AUTHORIZED. CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AROUND
- THE CONTRACTOR SHOULD PLAN TO REMEDIATE CONSTRUCTION ACCESS FASEMENTS AT THE CONCLUSION OF USE THROUGH BLADING, RIPPING, OR OTHERWISE REMOVING RUTS AND COMPACTION. THE SFPUC RESERVE THE RIGHT TO REQUIRE THE CONTRACTOR TO REPAIR DAMAGE IN CONSTRUCTION ACCESS EASEMENTS. ALL LATHE SHOULD BE REMOVED BY THE CONTRACTOR AT THE END OF CONSTRUCTION.
- CONTAMINATION PREVENTION RESTRICTIONS: THE CONTRACTOR SHALL TAKE PREVENTATIVE MEASURES TO AVOID ANY SPILLS OR LEAKS ON THE SITE FROM PETROLEUM PRODUCTS. THE CONTRACTOR SHALL PREPARE A SPILL PREVENTION AND RESPONSE PLAN THAT WILL BE APPROVED BY THE SFPUC AND ENVIRONMENTAL MONITOR, AS WELL AS LEAD AGENCIES. THIS MUST BE IMPLEMENTED AND ADHERED TO BY THE CONTRACTOR. AT A MINIMUM, THIS PLAN SHALL REQUIRE THAT STAGING, STORAGE, AND REFUELING AREAS AND ANY EQUIPMENT REPAIR OR SIMILAR ACTIVITY TAKE PLACE WHEN EQUIPMENT IS AT LEAST 100-FEET FROM ANY ACTIVE CREEK CHANNEL, DITCH, POND, OR FENCED SENSITIVE AREA. REFUELING SHALL ONLY OCCUR IN AREAS APPROVED BY THE SFPUC OR ENVIRONMENTAL MONITOR. STAGING AND STORAGE AREAS SHALL OCCUR ONLY IN DESIGNATED AREAS: ANY STAGING OR STORAGE IN WETLANDS OR OTHER SENSITIVE HABITATS WILL REQUIRE PRIOR APPROVAL FROM THE COR OR ENVIRONMENTAL MONITOR. PROTECTIVE TARPS SHALL BE USED DURING REFUELING OR EQUIPMENT REPAIR. THE CONTRACTOR SHALL INSPECT AND FULLY CLEAN UP ANY SUCH LEAKS OR SPILLS THAT OCCUR ON THE SITE. CONTRACTOR SHALL NOT STORE ANY HAZARDOUS MATERIALS.
- BIOLOGICAL RESTRICTIONS WETLANDS, CREEKS, AND RIPARIAN AREAS: DUE TO THE SENSITIVE NATURE OF THE SITE, THE CONTRACTOR SHALL NOT ENTER INTO THESE AREAS FOR ANY RFASON WITHOUT PRIOR AUTHORIZATION FROM THE SFPUC OR ENVIRONMENTAL MONITOR.

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BIOLOGICAL RESTRICTIONS - WILDLIFE: PRIOR TO START OF CONSTRUCTION, THE ENVIRONMENTAL MONITOR OR REPRESENTATIVES WILL GIVE CONTRACTOR'S STAFF A PRESENTATION REGARDING SPECIAL STATUS SPECIES AND RESTRICTIONS REQUIRED IN TERMS OF CLEARANCE SURVEYS AND CONSTRUCTION MONITORING.





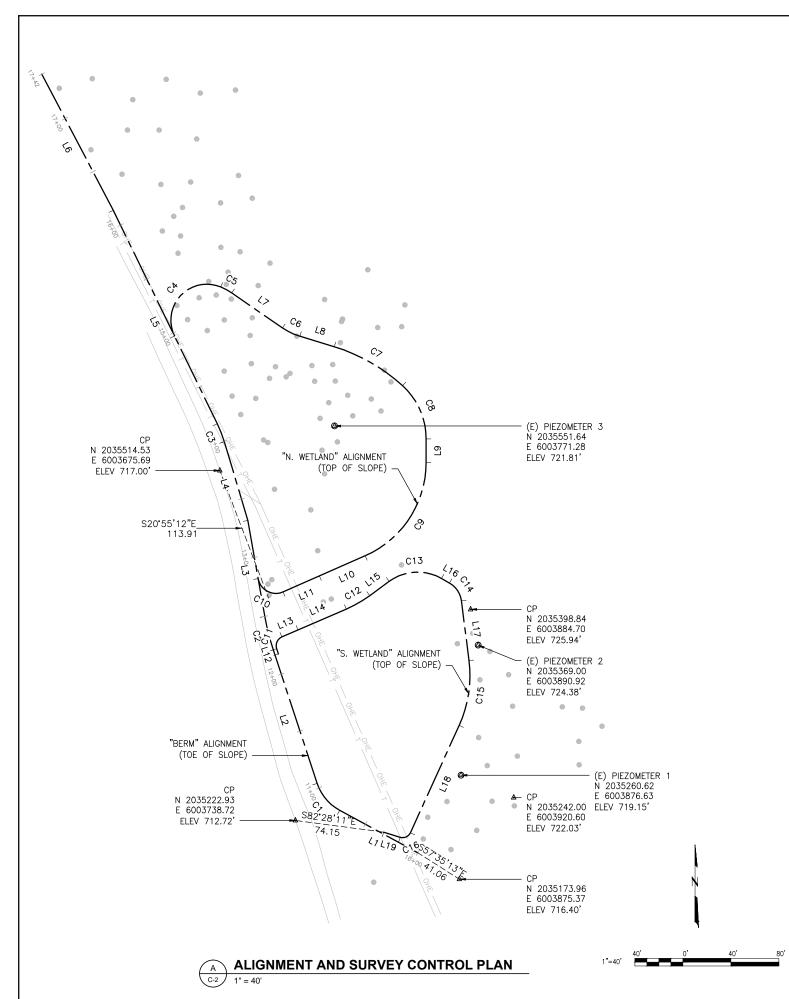
NAD83

DATUM:

NAVD 1988

OCTOBER 29,

2010



N. WETLAND						
SEGMENT	LENGTH	BEARING/DELTA	RADIUS	TANGENT	START	END
C4	72.63	138'42'29"	30.00	79.62	STA: 0+00.00 N: 2035626.70 E: 6003637.86	STA: 0+72.63 N: 2035667.51 E: 6003676.42
C5	10.32	011*49'18"	50.00	5.18	STA: 0+72.63 N: 2035667.51 E: 6003676.42	STA: 0+82.94 N: 2035662.57 E: 6003685.46
L7	51.46	S55*26'49"E			STA: 0+82.94 N: 2035662.57 E: 6003685.46	STA: 1+34.40 N: 2035633.39 E: 6003727.84
C6	16.17	018*31'47"	50.00	8.16	STA: 1+34.40 N: 2035633.39 E: 6003727.84	STA: 1+50.57 N: 2035626.51 E: 6003742.40
L8	29.88	S72*56'07"E			STA: 1+50.57 N: 2035626.51 E: 6003742.40	STA: 1+80.46 N: 2035617.74 E: 6003770.96
C7	66.11	025*15'06"	150.00	33.60	STA: 1+80.46 N: 2035617.74 E: 6003770.96	STA: 2+46.57 N: 2035585.26 E: 6003827.93
C8	49.93	047*41'00"	60.00	26.52	STA: 2+46.57 N: 2035585.26 E: 6003827.93	STA: 2+96.50 N: 2035540.89 E: 6003847.54
L9	19.58	S00'00'00"E			STA: 2+96.50 N: 2035540.89 E: 6003847.54	STA: 3+16.08 N: 2035521.31 E: 6003847.54
C9	98.29	066"15'06"	85.00	55.47	STA: 3+16.08 N: 2035521.31 E: 6003847.54	STA: 4+14.37 N: 2035443.51 E: 6003796.77
L10	41.74	S66*15'06"W			STA: 4+14.37 N: 2035443.51 E: 6003796.77	STA: 4+56.11 N: 2035426.70 E: 6003758.56
L11	33.00	S66*15'06"W			STA: 4+56.11 N: 2035426.70 E: 6003758.56	STA: 4+89.11 N: 2035413.41 E: 6003728.36
C10	27.16	103*45'01"	15.00	19.11	STA: 4+89.11 N: 2035413.41 E: 6003728.36	STA: 5+16.27 N: 2035424.54 E: 6003707.54

BERM						
SEGMENT	LENGTH	BEARING/DELTA	RADIUS	TANGENT	START	END
L1	74.21	N61°28'05"W			STA: 10+00.00 N: 2035195.97 E: 6003840.71	STA: 10+74.21 N: 2035231.42 E: 6003775.51
C1	29.94	043*13'49"	39.69	15.73	STA: 10+74.21 N: 2035231.42 E: 6003775.51	STA: 11+04.16 N: 2035253.86 E: 6003756.77
L2	117.13	N18*14'16"W			STA: 11+04.16 N: 2035253.86 E: 6003756.77	STA: 12+21.29 N: 2035365.11 E: 6003720.12
C2	28.76	008'14'23"	200.00	14.41	STA: 12+21.29 N: 2035365.11 E: 6003720.12	STA: 12+50.05 N: 2035392.98 E: 6003713.11
L3	81.16	N09*59'53"W			STA: 12+50.05 N: 2035392.98 E: 6003713.11	STA: 13+31.21 N: 2035472.91 E: 6003699.02
L4	68.41	N16*40'05"W			STA: 13+31.21 N: 2035472.91 E: 6003699.02	STA: 13+99.62 N: 2035538.44 E: 6003679.39
C3	16.25	009'18'31"	100.00	8.14	STA: 13+99.62 N: 2035538.44 E: 6003679.39	STA: 14+15.87 N: 2035553.56 E: 6003673.49
L5	197.90	N25*58'36"W			STA: 14+15.87 N: 2035553.56 E: 6003673.49	STA: 16+13.77 N: 2035731.47 E: 6003586.81
L6	128.06	N27*42'18"W			STA: 16+13.77 N: 2035731.47 E: 6003586.81	STA: 17+41.83 N: 2035844.84 E: 6003527.28

	S. WETLAND						
SEGMENT	LENGTH	BEARING/DELTA	RADIUS	TANGENT	START	END	
L12	4.61	N18*13'59"W			STA: 0+00.00 N: 2035361.69 E: 6003724.40	STA: 0+04.6 N: 2035366.0 E: 6003722.9	
C11	11.85	084*53'08"	8.00	7.32	STA: 0+04.61 N: 2035366.07 E: 6003722.96	STA: 0+16.4 N: 2035375.9 E: 6003727.3	
L13	14.58	N66*39'09"E			STA: 0+16.47 N: 2035375.92 E: 6003727.39	STA: 0+31.0 N: 2035381.6 E: 6003740.7	
L14	43.84	N66'39'09"E			STA: 0+31.04 N: 2035381.69 E: 6003740.77	STA: 0+74.8 N: 2035399.0 E: 6003781.0	
C12	22.60	012*56'59"	100.00	11.35	STA: 0+74.89 N: 2035399.07 E: 6003781.03	STA: 0+97.4 N: 2035410.2 E: 6003800.5	
L15	20.07	N53'42'10"E			STA: 0+97.49 N: 2035410.28 E: 6003800.59	STA: 1+17.5 N: 2035422. E: 6003816.	
C13	46.11	066'02'31"	40.00	26.00	STA: 1+17.56 N: 2035422.16 E: 6003816.77	STA: 1+63.6 N: 2035424. E: 6003860.2	
L16	7.76	S60'15'18"E			STA: 1+63.66 N: 2035424.66 E: 6003860.29	STA: 1+71.4 N: 2035420. E: 6003867.0	
C14	18.51	053*01'06"	20.00	9.98	STA: 1+71.42 N: 2035420.81 E: 6003867.03	STA: 1+89.9 N: 2035405.9 E: 6003876.9	
L17	50.18	S07'14'13"E			STA: 1+89.93 N: 2035405.96 E: 6003876.94	STA: 2+40.1 N: 2035356. E: 6003883.2	
C15	55.33	031*41'59"	100.00	28.39	STA: 2+40.11 N: 2035356.18 E: 6003883.27	STA: 2+95.4 N: 2035302. E: 6003875.0	
L18	98.30	S24*27'46"W			STA: 2+95.44 N: 2035302.17 E: 6003875.09	STA: 3+93.7 N: 2035212. E: 6003834.	
C16	10.14	083'00'53"	7.00	6.19	STA: 3+93.74 N: 2035212.69 E: 6003834.38	STA: 4+03.8 N: 2035208. E: 6003825.9	
L19	14.33	N72'31'22"W			STA: 4+03.88 N: 2035208.91 E: 6003825.90	STA: 4+18.2 N: 2035213. E: 6003812.	

NOTES:

- 1. ALL MEASUREMENTS GIVEN ARE IN US FOOT.
- 2. HORIZONTAL DATUM IS NAD83 CALIFORNIA STATE PLANES ZONE III, US FOOT.
- 3. VERTICAL DATUM IS NAVD88.

CONTRACT NO. WD-2651

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION

ENGINEERING MANAGEMENT BUREAU UPPER SAN MATEO CREEK

417 Montgomery Street, Suite 700, San Francisco, CA 94104-1115 tel 415.283.4970 § fax 415.283.4980 § www.w-and-k.cor KVS CQ

₩WINZLER & KELLY

ALIGNMENT AND SURVEY CONTROL PLAN

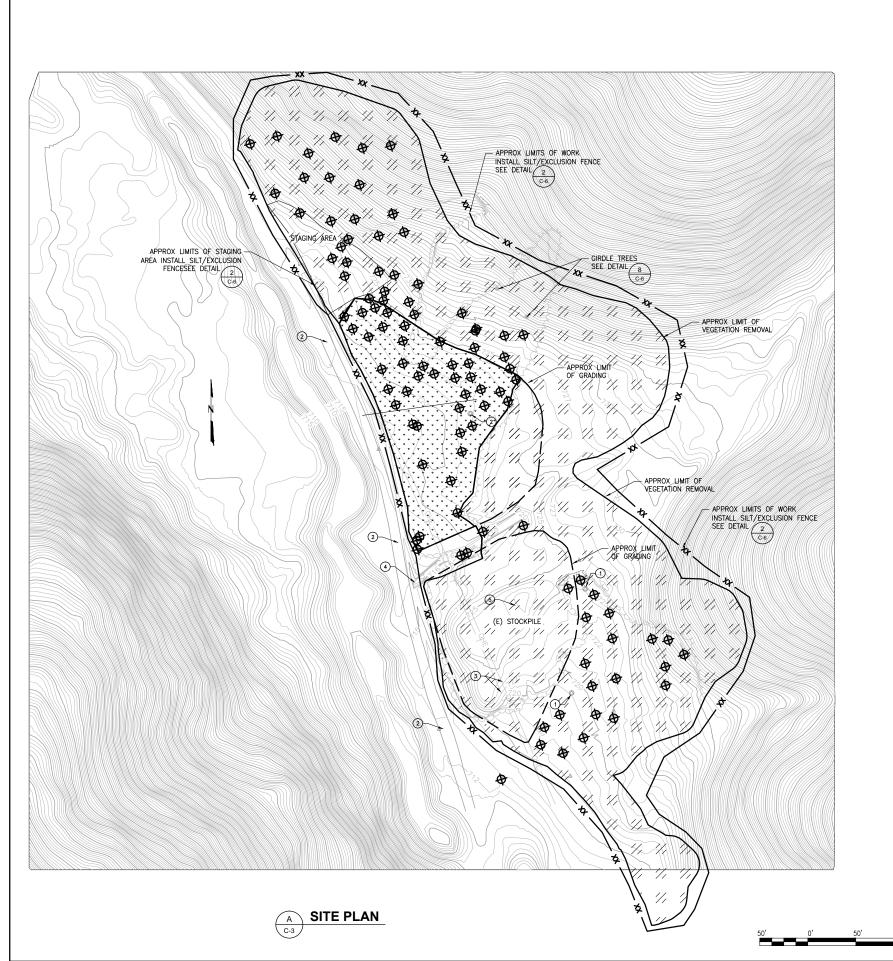
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ELEVATION
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ESTIMATED QUANTITIES	
ITEM	ESTIMATED QUANTITY
TREE REMOVAL	120
TREE GIRDLING	2
SCRUB CLEARING	4 AC
TOPSOIL STRIPPING & STOCKPILING*	900 CY
(E) PIEZOMETERS TO ABANDOM	3
SILT FENCE	3000 LF

*QUANTITY BASED ON IN-SITU SOIL VOLUME

KEYNOTES

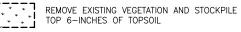
- 1) REMOVE OR ABANDON EXIST PIEZOMETERS
- ② EXIST ASPHALT ROAD TO REMAIN
- (3) EXIST OVERHEAD UTILITY LINES TO REMAIN.
 CAUTION MUST BE USED WHEN WORKING NEAR
 THE LINE WITH MACHINERY.
- 4 EXIST 36" CULVERT TO REMAIN
- REMOVE EXIST STOCKPILE TO GRADE AND MOVE TO NEW STOCKPILE AREA FOR POTENTIAL TESTING AND RE-USE

NOTES:

- EXISTING PIEZOMETERS TO BE ABANDONED OR REMOVED ACCORDING TO SAN MATEO COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH SERVICES DIVISION STANDARDS.
- WORK AREA TO BE FENCED OFF TO RESTRICT THE ACCESS OF HEAVY EQUIPMENT FROM PROTECTED AREAS DURING GRADING. FENCED AREA TO BE APPROVED BY CITY REPRESENTATIVE BEFORE COMMENCEMENT OF GRADING.
- 3. PROTECTED TREES TO BE MARKED BY CITY REPRESENTATIVE BEFORE COMMENCEMENT OF GRADING.
- TREES TO BE REMOVED SHALL BE MARKED BY CITY REPRESENTATIVE BEFORE COMMENCEMENT OF TREE REMOVAL.
- 5. TREES TO BE GIRDLED SHALL BE MARKED BY CITY REPRESENTATIVE BEFORE COMMENCEMENT OF TREE REMOVAL
- 6. TREE LOCATIONS SHOWN MAY NOT BE EXACT. ALL TREES WITHIN THE PROJECT BOUNDARY SHALL BE IDENTIFIED BY CITY REPRESENTATIVE AND MARKED.
- 7. THE TOPSOIL SHOULD BE OBSERVED AND APPROVED BY CITY REPRESENTATIVE BEFORE STOCKPILING. IF TOPSOIL IS NOT APPROVED FOR USE, IT SHALL BE DISPOSED OF.
- 8. STOCKPILE AREA SHALL BE IN STAGING AREA.
- 9. EXACT LOCATION OF SILT/EXCLUSION FENCE TO BE DETERMINED BY CITY REPRESENTATIVE IN THE FIELD.
- O. CONTRACTOR MAY SUGGEST AN ALTERNATE LOCATION
 OF STAGING AREA. THE LOCATION MUST BE APPROVED
 BY CITY REPRESENTATIVE BEFORE CHANGING
 LOCATIONS.

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LEGEND





REMOVE EXISTING THICK SCRUB AND DO NOT SAVE TOPSOIL



REMOVE EXISTING TREE, TYP



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CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

UPPER SAN MATEO CREEK

EXISTING CONDITION
AND DEMOLITION PLAN

CHECKED / APPROVED DRAWN SCALE
AS SHOW!

SECTION MANAGER DESIGNED DATE

APPROVED

APPROVED

MANAGER, ENGINEERING MANAGEMENT BUREAU MANAGER, NATURAL RESOURCES DIVISION

APPROVE DRAWNER NO. DRAWNER NO. REVISION NO. REVISION NO.

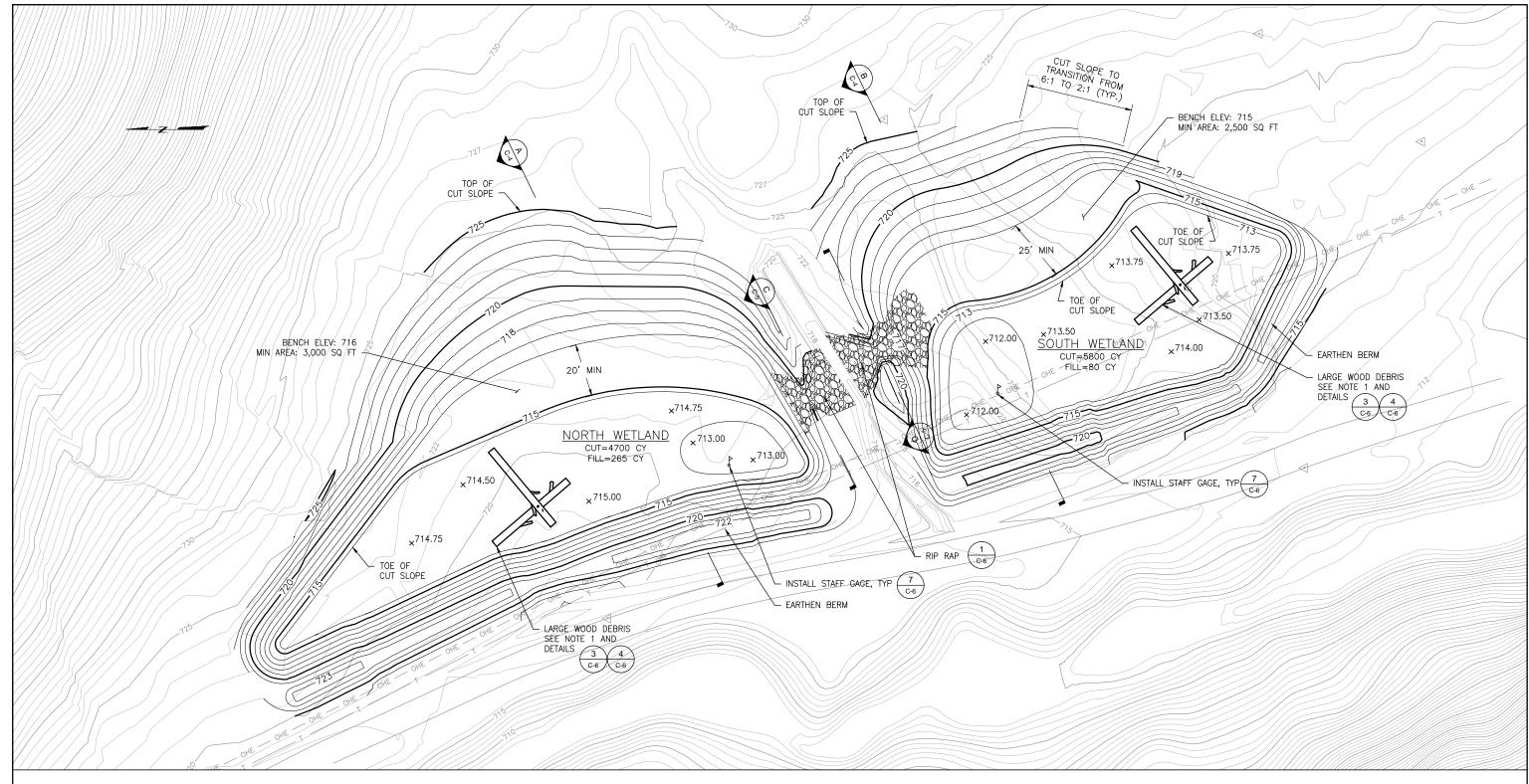
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NOTES:

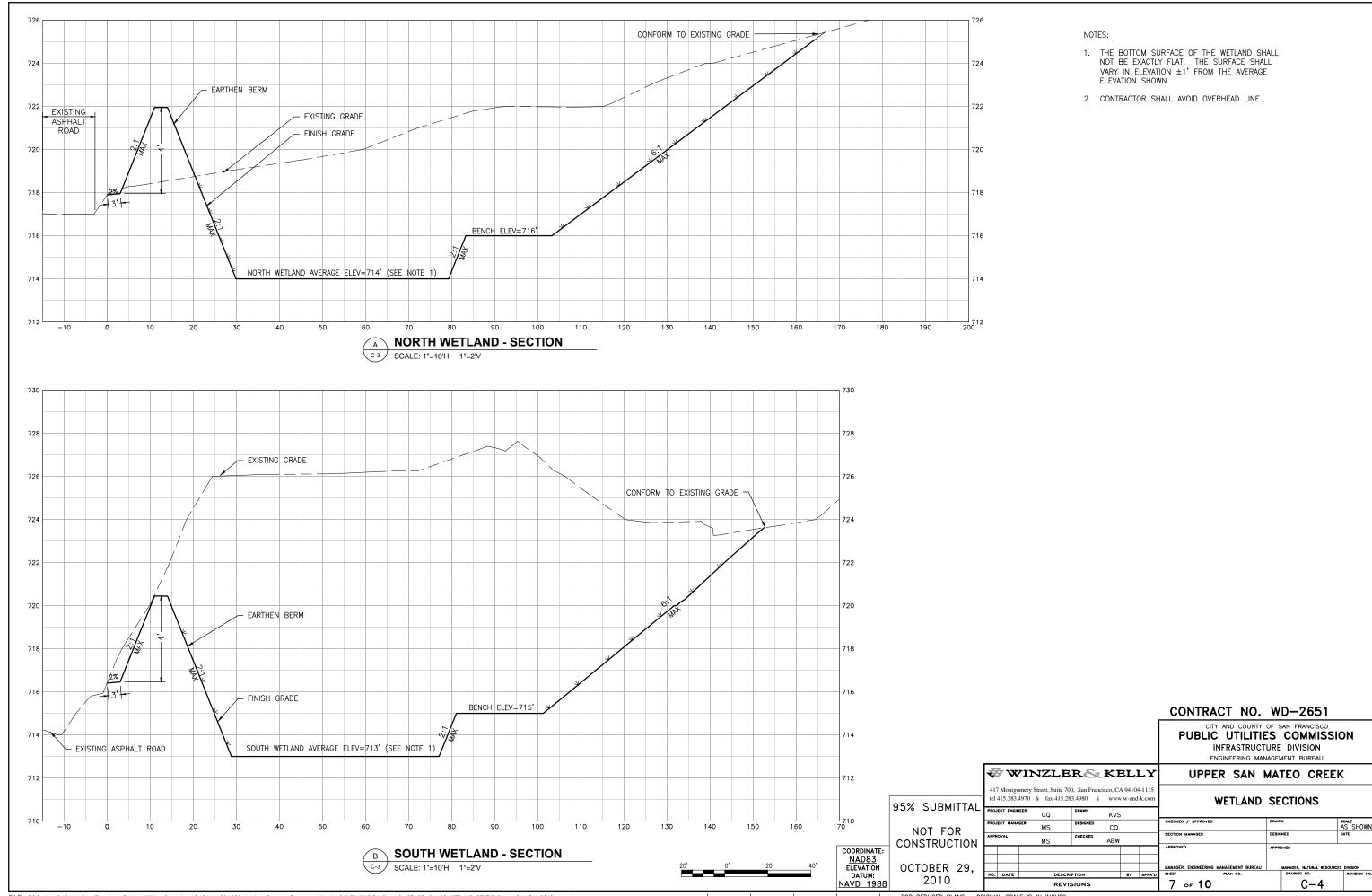
- 1. EXACT LOCATION OF LARGE WOOD DEBRIS SHALL BE DETERMINED IN THE FIELD BY CITY REPRESENTATIVE.
- 2. BOTTOM OF WETLAND SHALL INCLUDE MICRO-TOPOGRAPHY AS REPRESENTED BY PROPOSED SPOT ELEVATIONS. THE SPOT
 ELEVATIONS REPRESENT HIGH POINTS WITHIN THE
 MICRO-TOPOGRAPHY. LOCATION AND ELEVATION
 IS APPROXIMATE AND SHOULD BE APPROVED BY CITY REPRESENTATIVE.
- 3. BOTTOM OF WETLAND SHALL BE COMPACTED ACCORDING TO SPECIFICATIONS
- 4. CONTRACTOR SHALL AVOID THE OVERHEAD LINE.

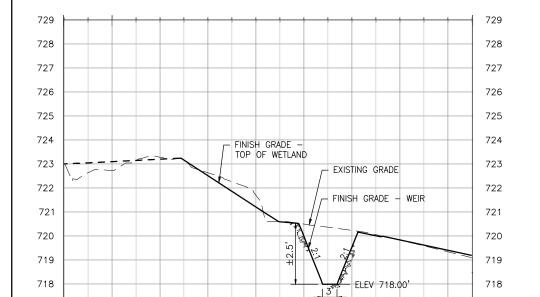
ESTIMATED QUANTITIES				
ITEM	ESTIMATED QUANTITY			
TOTAL WETLANDS CUT*	10,500 CY			
TOTAL WETLANDS FILL	345 CY			
LARGE WOODY DEBRIS	4			
FINISH GRADING	55,000 SQ FT			
STAFF GAGE	2			
RIP RAP	180 CY			
* QUANTITY BASED ON IN-SITU SOIL VOLUME.				

WETLAND GRADING PLAN CONTRACT NO. WD-2651 C-5 1" = 20' CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU ₩ WINZLER & KELLY UPPER SAN MATEO CREEK 417 Montgomery Street, Suite 700, San Francisco, CA 94104-1115 tel 415.283.4970 § fax 415.283.4980 § www.w-and-k.cor WETLAND GRADING PLAN 95% SUBMITTAL KVS AS SHOWN CQ NOT FOR ABW CONSTRUCTION COORDINATE: NAD83 ELEVATION DATUM: OCTOBER 29, 2010

6 or 10

NAVD 1988





ONORTH WETLAND - OUTFLOW WEIR PROFILE

4+40

4+30

C-3 SCALE: 1"=10'H 1"=2'V

4+20

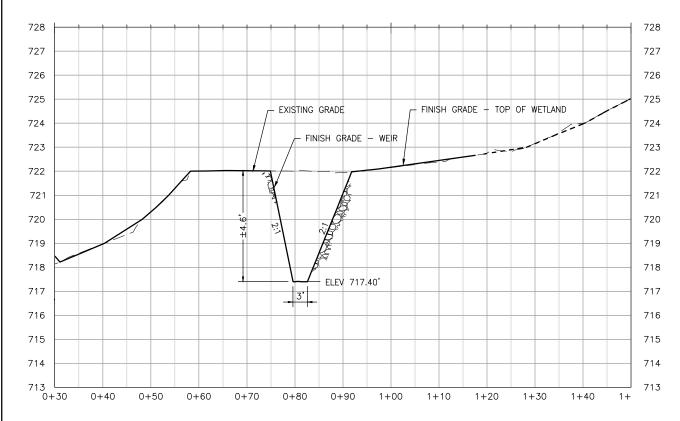
4+10

717

716

715 | 3+90

4+00



717

716

715

SOUTH WETLAND - INFLOW/OUTFLOW WEIR PROFILE

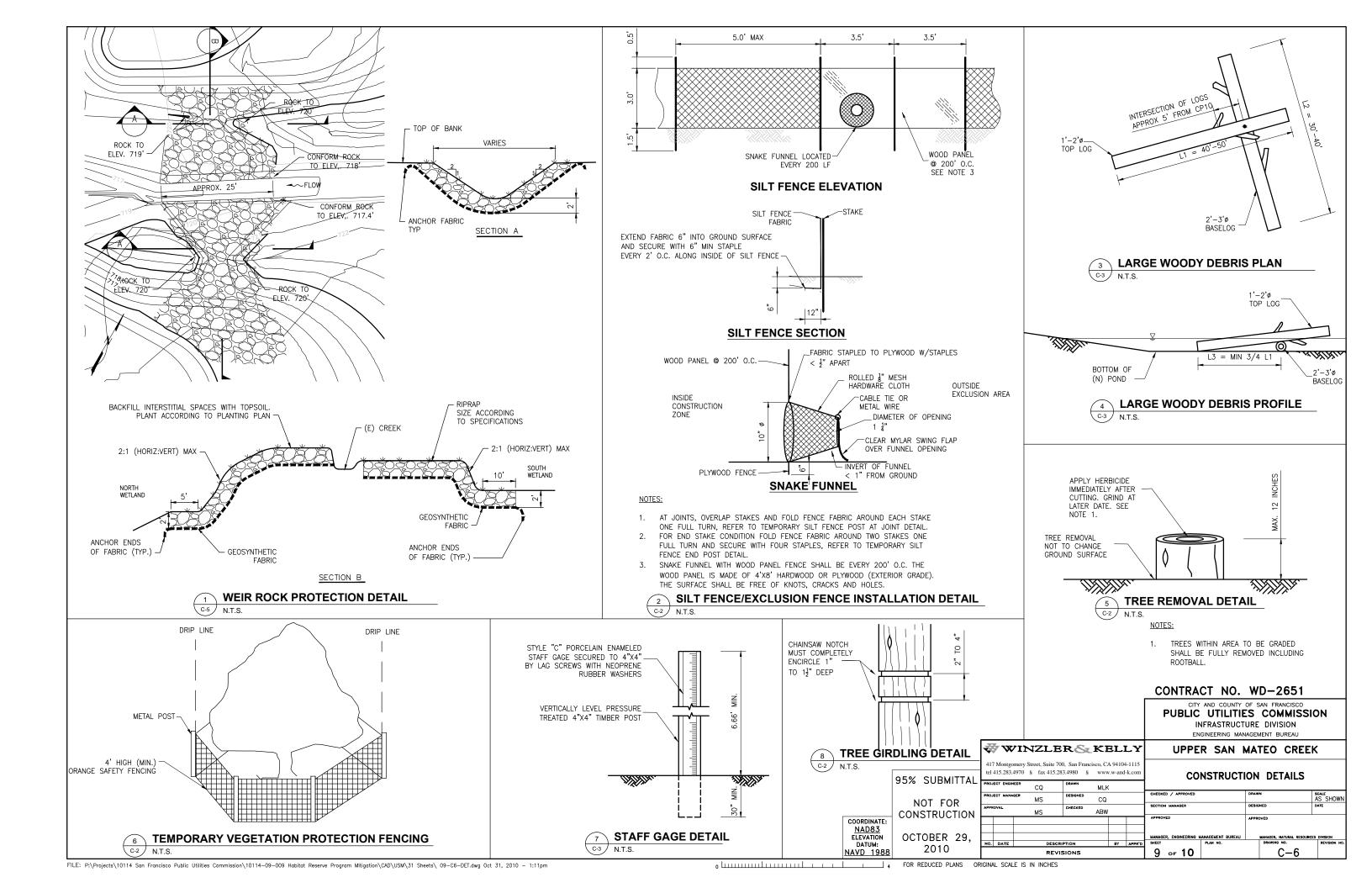
C-3 SCALE: 1"=10'H 1"=2'V

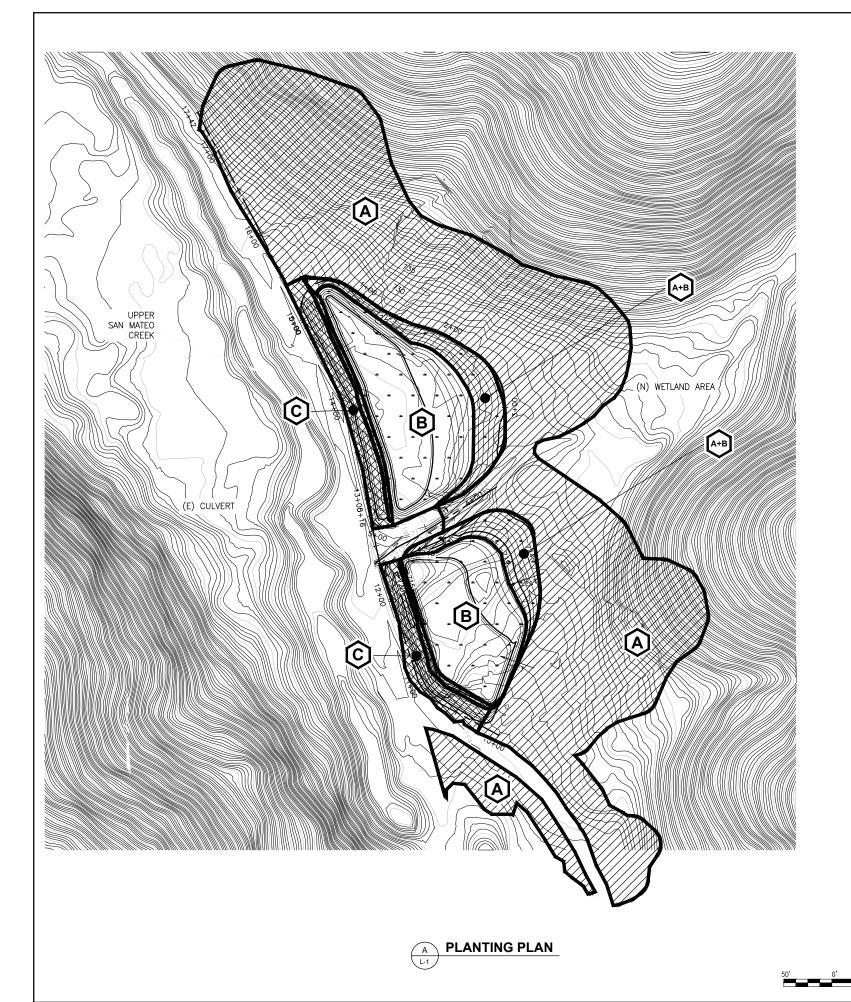
NOTES:

1. CONTRACTOR SHALL AVOID OVERHEAD LINE.

CONTRACT NO. WD-2651 CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU ₩ WINZLER & KELLY UPPER SAN MATEO CREEK 417 Montgomery Street, Suite 700, San Francisco, CA 94104-1115 tel 415.283.4970 § fax 415.283.4980 § www.w-and-k.com WETLAND SECTIONS 95% SUBMITTAL PROJECT ENGINEER KVS AS SHOWN CQ NOT FOR ABW CONSTRUCTION OCTOBER 29, 2010 8 of 10

COORDINATE:
NAD83
ELEVATION
DATUM:





	PLANTING DATA				
PLANTING ZONE	PLANTING	ACRES			
A	NEEDLEGRASS ESTABLISHMENT				
B	B) WETLAND ESTABLISHMENT				
A+B	WETLAND/NEEDLEGRASS ECOTONE				
©	EROSION CONTROL	0.27			

QUANTITIES					
SCIENTIFIC NAME	COMMON NAME	QUANTITY			
SALIX LASIOLEPIS	ARROYO WILLOW	493			
SCIRPUS ACUTUS	BULRUSH	275			
JUNCUS EFFUSUS	COMMON RUSH	275			
JUNCUS PATENS	SPREADING RUSH	275			
CAREX BARBARAE	SANTA BARBARA SEDGE	275			
ELEOCHARIS MACROSTACHY	COMMON SPIKERUSH	275			
BROMUS CARINATUS	CALIFORNIA BROME	32 LBS			
DANTHONIA CALIFORNICA	CALIFORNIA OATGRASS	17 LBS			
ELYMUS GLAUCUS	BLUE WILDRYE	32 LBS			
NASELLA PULCHRA	PURPLE NEEDLEGRASS	17 LBS			
VULPIA MICROSTACHYS	THREE WEEK FESCUE	10 LBS			
FESTUCA RUBRA	RED FESCUE	2.5 LBS			
LUPINUS BICOLOR	BICOLOR LUPINE	8 LBS			
ERIOGONUM LATIFOLIUM	COAST BUCKWHEAT	150			
LUPINUS ALBIFRONS	SILVERLEAF LUPINE	150			

NOTES:

 TREES TO REMAIN SHALL BE MARKED BY A BIOLOGIST DESIGNATED BY THE CITY REPRESENTATIVE AND PROTECTED.

CONTRACT NO. WD-2651 2. PLANTING ZONE MIXES ARE LOCATED IN THE SPECIFICATIONS. CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION 3. RESTORE STAGING AREA TO ZONE 1 PLANTING. INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU ₩WINZLER& KELLY UPPER SAN MATEO CREEK tel 415.283.4970 § fax 415.283.4980 § www.w-and-k.com PLANTING PLAN 95% SUBMITTAL CQ NOT FOR CONSTRUCTION COORDINATE:
NAD83
ELEVATION
DATUM:
NAVD 1988 OCTOBER 29, 2010 10or 10